AND ROADSIDE PLANTING THAT PRODUCE PROFITABLE CROPS. NUT TREES FOR LAWN BEAUTIFUL LONG LIVED TREES

By No Means an Experiment Abroad, one catalogue examined does not include in the table of contents either nuts or chestnuts, but gives the bo-This Country Just Waking to the Value of Orchards

weakness for imitating others or for live and are less trouble to care for. following the leader. The public suddenly develops the roller skating craze and no one is quite happy who is not roller skating. Suddenly this fad subsides and another develops. Bicycling is found to be the one and only thing to insure perfect health and happiness, and then dancing or moving pictures is the craze. In planting the idea is quite the same. The American elm attracted the attention of the Pilgrims and their descendants, and everywhere in New England, down to the present time, it is the one tree generally used for roadside and

In planting home grounds there is altogether too much sameness. For a season or two canna beds are everywhere; then red salvias. Every yard has a hydrangean paniculata, at least two catalpa bungell and a weeping Just now evergreens are the fad, and just beyond the limit of good taste. All these are good, but there are too many trees and shrubs to have

in New York city. Every yard, to be most attractive, crop. In Rochester, N. Y., the roft spring use, should be individual, and utility, a shelled almond has stood the last four

hould be the fundamental idea.

Americans seem to have a peculiar grow and bear wherever the peach will

Almonds at the North.

The late Andrew S. Fuller, horticultural editor of The SUN in 1896, said: "As for almond culture in the United States, very little is to be said further than while we have few experiments to refer to as having been made east of the Rocky Mountains, not one of our great pomologists in his pubson for the almost entire neglect of this nut." The report of the pomologist of the Department of Agriculture, 1892, said: "1 * * state to all expossibly in New Mexico and south-western Texas." Andrew Fuller was In gathering potatoes will be cut leaved birch on every lawn, periments would produce satisfactory as soon as the tops begin to turn color

Dr. Robert T. Morris grows hard rows of yards almost exactly alike, shelled almonds in southern Connectiafter the style of brownstone fronts cut, and the trees have withstood win- tering in cold frames ters so severe as to kill the peach purpose for everything that is done, winters. From the hardy hard shelled almonds soft shelled varieties can and ripened on the trees are the most dewill be produced by the careful selec- licious.

tanical name that not one person in a hundred would naturally look for if seeking to find chestnut trees. Con-sidering the manner in which many catalogues are compiled it is not strange that some of these concerns find advertising unprofitable, and the wonder is that they make any progress in their business.

Later the possibilities with filberts, persimmons and pecans in the North will be given, also the butternut and black walnut. The black walnut is valuable both for its nuts and wood, which is now scarce and expensive

There is likely to be frost now any THE night. Most vegetables will stand a slight frost without freezing, but a severe frost will injure the tender vege tables, which should be gathered and

confident, notwithstanding the ad-verse reports on the culture of the almond in the North, that further ex-almond in the North, that further ex-as soon as the tops begin to turn color results, and urged horticulturiets to and left out on the ground in rows a called hard shelled almonds, which moved. Store in a cool, dry place, thrive in the North.

Cabbage and lettuce seed should be sown without further delay for win-Top onions can still be planted for

For home use peaches that have



OLD GARDENER AS A GREENHOUSE AND CONSERVA-WEATHER PROPHET.

In our issue of August 20, when the

everywhere privet is used, perhaps to keep on experimenting with the so- few days to dry before the tops are re- West stating that frost fell over the August. great lakes region on the night of Flants required for next season's September 15. The frost extended as use should be made now from cuttings, great lakes region on the night of far south as northern Tennessee. A as fall rooted cuttings as a rule bloom heavy snowfall with a temperature of more freely than plants from cuttings 24 degrees was reported from Hib-made in the winter, and young plants

reported from Danville, Ill., where all was the earliest in twenty years.

ported freezing weather, according to the Government Weather Bureau. Cambridge City, Ind., reported a temperature of 29 degrees.

A good lawn cannot be maintained without regular feeding. Grass, like any other plant, requires food, and as the root system is somewhat shallow the plant food must be in highly avail-

Mossy patches on the lawn may be due to lack of potash and phosphates. but are caused usually by dampness. The remedy is to rake over and apply hydrated lime, two good handfuls to the square yard. Fertilizer may be applied immediately after the lime. All lawns will be benefited by an application of fertilizer now.

Petunias, heliotropes, marguerites, hydrangeas, verbenas, ageratums, coleus, geraniums and fuchsias all root easily from cuttings, and where the plants are growing in the garden and to be left out, cut'ings can be made in pots. If the pots are put in cold frames and covered with by the middle of June. sush or in boxes and covered with glass so as to keep a close at aosphere they will root quicker, but all these root freely whether kept close or not. Keep in the shade until the roots start.

Pile them up in an out of the way corner of the garden or pack them down solidly in boxes or barrels and leave them exposed to the weather. Leaf mould is constantly needed by the gardener.

The green leaves were curled tight like the rose granhum and had much the same scent. The flower was a pale pink with a true rose fragrance. I think it is a climber. L. M. Boyer, New Jersey.

Lilies to be transplanted should be handled as soon as possible after the leaves dry up.

In many sections various greengrow the almond of commerce on this in small gardens squashes can be covside of the Rocky Mountains, except side of the Rocky Mountains, except be gathered before frost.

The article was written that it is useless to try to put under cover as early as possible during the day. Plants cold weather, probably frost, by September 17." The article was written that have been plunged out during to see the cold weather. The article was written that have been plunged out during to see the cold weather. western Texas." Andrew Fuller was In gathering potatoes be careful fully three weeks previously, some summer will require examining to see confident, notwithstanding the ad- not to bruise them. Dig them on a time before July 30, and the prediction that they have proper drainage and was copied far and wide by other they should receive a topdressing of papers. shifting into larger pots, although this papers printed desputches from the should have been attended to in

> generally are preferable to old speci-Damage amounting to \$50,000 was mens, particularly so of bedding plants such as geraniums, heliotropes, fuchate vegetables were ruined. Reports sins, &c. Plants of a woody nature, from southern Illinois said the frost such as roses, larger and older plants,

> are better. Light frosts were general in Indi-ana and eight towns in the State re-alyssum, mignonette, candytuft, &c.,

FALL PLANTED SWEET PEAS.

Atlanta, although in the South, is 1.100 feet above sea level and has a most variable climate in winter.

Roses, shrubs and such trees as we grow here should never be planted in the autumn, as they cannot stand the hard freezes we frequently have at night followed by a day of hot sun and thaw, which constantly disturbs the tender roots trying to settle themselves in the new ground.

Sweet peas and spring bulbs are almost the only things we can plant to advantage in the autumn. Late in October or in November, if the season is fine, we plough the ground deeply turning under a thick layer of manure. We sow sweet pea seed at least four inches apart and not more than inch deep, and although they come up before Christmas and are frequentnipped by frost they make deep t growth and are in riotous bloom Mrs. WALTER HOWARD, Georgia.

ROSE GERANIUM ROSE.

Save the leaves as they are raked up on the lawn and from the paths.

Pile them up in an out of the way corpor of the carrier of the carrier

New Farm and Garden Books. "Text Book of Land Drainage," by "Text Book of Land Drainage," by
Joseph A. Jeffrey, formerly professor effective way to get rid of rats and mice,
the book muta into simple and conof soils, Michigan Agricultural College. This book puts into simple and concise terms the fundamentals of knowl-

chools and universities. Wheat, oats, barley, rye, buckwheat and rice are treated exhaustively. Cereal improvement, soil and climatic relations, pests, diseases and uses of cereals are fully covered. The Macmillan Company,

"Breeds of Livestock," by live stock breeders, revised and arranged by Carl W. Gay, professor of animal industry, University of Pennsylvania. Horses and ponies of all kinds, mules and jacks, beef and dairy cattle, sheep, goats, swine are covered by this work. which was originally prepared for the "Cyclopedia of American Agriculture." The Macmillan Company, New York.

Start Roman hyacinths in earth in pots or in fibre in bowls at once for early winter flowering. Just cover the with fibre and place the bowls in a dark place until growth is about an inch high. The fibre must be kept

For astere, gladioti, dahlias and other flowers troubled by the aster beetle, try Slug Shot, applying with any of the dusters sold by seedmen. Apply when the foliage is wet wit

Narcissi and crocus do best when planted early. Get the bulbs in the ground by the last of October.

Last Call to Plant LIL. CANDIDUM



St. Joseph's or donna Lily is th satisfactory pure

H. H. BERGER & CO., New York City

PANSIES.

sion is free. A large and attractive Mrs. Gertrude Dahl-Mordecal, the only living descendant of Prof. Dahl, from whom the dahlia obtained its name Mrs. Mordecal's prize is offered for the best new seedling dahlia to be named after her. There will be from fifteen to twenty entries in this class There will also be a large number of entries of seeding dahlias raised

The annual meeting will be held Tuesday at 3 P. M. Prof. Fraser of the Connecticut Agricultural College will lecture and Prof. Norton of Maryland will talk on classification. The annual dinner of the members of the society and invited guests will be held at 6 o'clock Tuesday evening.

AUTUMN.

Seeds of hardy annuals sown in the garden now will make an early start, and this sowing will be out of the way during the busy time in the garden next spring. Sow the seeds thinly where the plants are to mature early. Good hardy annuals:

moved from the vines and set in the

did for pot culture. Try them.

Rats Now Suspected as the Real Carriers of Infantile Paralysis.

Than War.

No rat can live where Danysz Virus



100 Single Tulips Well mixed \$1 50 Double Tulips Well mixed 40 Darwin Late Tulips Choice 40 Parrot Tulips Odd and bisarre in \$1
52 Bulbs 10 Hyacinths for centre of bed.
52 Bulbs 10 Hyacinths for centre of bed.
52 Bulbs 13 Giant Crocus for outside \$1
berder.

25 Hyacinths Bedding size, 12 Giant Hyacinths for heds or for \$1 50 Narcissus Choice single \$1 33 Princeps Narcissus \$1

20 Trumpet Narcissus Empress... \$1 33 Von Sion Double Narcissus ... \$1 John B. Tuttle, \$300 Knorr street, Tacony, says: "I have received other bulbs, but find yours the finest of all I have received." Remember, for each \$1 worth ordered you can select an extra \$1 worth free. This offer can't be beat in a thousand years, so tell your friends and send your order NOW. Clarence B. Fargo

NORWAY and SUGAR MAPLE TREES from 1% to 5 in. Caliper in carload lots Send us list of your wants for specia

Woodlane Nurseries, Mt. Holly, N. J. A PECK of good apples delivered at your home, 50 cts. Choice, 75 cts. Cash with order. Special price on bushel and barrel lots. C. D. HALLOCK, New Bultimore Sta-tion, N. Y.

HELP WANTED.

DARLIA SHOW ON TUESDAY.

Roses in pots for winter flowering in picking and packing fruit handle require a regular supply of liquid manual show of the American nure, and its character should be rel are the first to decay, and this is character which true of other fruit. 26 to 28 at the Engineers' building, will be more successful than the con-25 West Thirty-ninth street. Admis-stant use of one kind. Roses are gross feeders, and condisplay is assured. There will be keen fined to only a limited amount of soil competition for the prize offered by and food in pots they must be given Mrs. Gertrude Dahl-Mordecai, the only liberal supplies of fertilizers. The Sun Collection of Flowering

Bulbs for Autumn Planting by amateurs.

HARDY ANNUALS TO SOW IN

		Feet
	Name and Color. I Abronia umbellata, roseT	feight.
á	Abronia umbellata, rose	railing
	Asperula, blue	1 14
	Bartonia aurea, yellow	
	Calendula, orange	1 14
	Candytuft, white	
	Collinsia, white	
	Callionis, various	1.2
	Eschecholtzia, various	
	Glaucium, yellow	
	Godetia, rose and white	
	Larkspur, dwarf rocket, various	
	Linaria, various	
١,	Popples, Shirley, various	
ľ		
	Portulacca, various	
	Sweet peas, various	
	Wallflower, annual, various	
	Walliower, annual, Various	
	7.00	

Tomatoes showing color may be re-

Sparaxis, ixias and freesias are splen-

Rats and Mice More Destructive

Whether or not the practical researches which are now being conducted by the authorities will positively prove that rate do carry around in their fur a parasite that spreads collomyelitis (infantile paralysis) from house to house, as it was reported in the City papers a few days ago they are suspected of by Health Commissioner Emerson, it is fully established that they have carried disease epidemics from country to country, resulting in the death of countless thousands of human beings. Not only is the loss of life attributable to these dangerous pests appalling, but the destruction of property is tremendous.

Every year, in the United States alone, they destroy millions of dollars of food products of all sorts.

Thousands of factory and home fires are annually caused by rats and mice, resulting in loss of life and property untold.

edge concerning the relation of water to agriculture and of relation of drainage to soil water for the practical farmer. The McMillan Company, New York.

"The Small Grains," by M. A. Carleon, cerealist, United States Department of Agriculture. Intended for farmers, general readers, academies, high schools and universities. Wheat, oats.

"Edl! information can be had from Full information can be supplied to the f Full information can be had from Virus, Ltd., 72 Front Street, New York Call, write or telephone, Hanover 300.

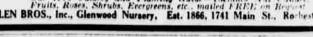
Double Value This Month



Worth Free With Each \$1 Order

Fiftieth Year in Business Our Golden Anniversary

Souvenir Rose Free with every order. Our 1916 Catalog and Planting Guide—Includes Nut Culture, Fruits, Roses, Shrubs, Eccepteens, etc., mailed FREE on Regioni GLEN BROS., Inc., Glenwood Nursery, Est. 1866, 1741 Main St., Rochester.





Keep plants flourishing in dr. weather. Watering necessary once in two weeks. Cost no many than ordinary vases. The satisfactory vase for lawns and cemeteries. Find out about it-Ask for catalogue.

Sterling Grinding Wheel Co. (Mention THE SUN)

there should be no rock or hardpan to retard the growth of the long, straight tap root. Naturally the richer the soil and the better cultivation given the better the crop will be. nuts are unusually large, and various ed cultivation about the trees to the best treatment. Morthern varieties of walnuts will of a catalogue, if chestnut is not in-

If nut trees are used wherever shade

is wanted the trees will not only pro-

we call English walnuts.

ished for about 140 years.

vide shade but a valuable crop of nuts,

ish walnuts. One of these trees flour-

Northern English walnut culture is

of the hardy northern varieties sur-

pass the western and southern prod-

English walnuts of northern varie-

there are several large and productive orchards between Rochester and Buf-

falo, N. Y., where the temperature

falls as low as 20 degrees below zero.

The largest of the New York State

orchards is the Thompson orchard of

which last senson produced 260 bush-

More than 200 burs on this 5-year-old sober chestnut tree. forethought may be seen in whatever tion of seed from which seedlings are

direction one travels throughout the grown, when any one undertakes it older and more thickly settled por- who has the time and patience to do tions of the country. The present it. generation should show by its work The almond flowers about the same that wisdom has been gained by the time as the peach tree, the flowers ap-experience of the past. When the suggestion is made to foliage does not appear until just as

plant fruit and nut trees for shade, the flowers drop, the objection is made that they tempt William Prince, a nurseryman of those who pass and make trespassers Flushing, Long Island, introduced the Where there is an abun- almond some time previous to 1793. dance either temptation is lessened or He also imported a number of Engthe proportion of fruit taken as com- lish walnuts about the same time. pared with the total crop is so small The almond should have a good dry that it is not missed. Children can-soll; sandy or calcareous is best. The

to provide them with all the good planting, using a crowbar to make things that climate and circumstances the holes of sufficient depth.

The Sober chestnut originated on the farm of Col. C. K. Sober of Northumso the trees will produce a revenue in berland county, Pa., and seems to a few years, where other trees simply thrive equally well in every part of

furnish shade. The same of course the United States. will be true of fruit trees. Bergstrasse, If only a few chestnut trees are to be which extends from Heidelberg to planted the character of the soil need Darmstadt in Germany, is, or was a hardly be considered, but if a grove is few years ago, all planted with what to be set out a sandy, gravelly or rocky soil should be selected. In 1758 Roger Morris built a spa- chestnut thrives by a mass of fibrous clous mansion on his estate at what is roots thrown out from the main or tap now known as Washington Heights, root, and stony or sandy soil aids in New York city, and with many other the development of these netlike rootforeign trees and shrubs planted Eng- lets. Avoid locations where water stands or land that is not well drained

for chestnuts,
Autumn is a good time to plant no longer an experiment, as the fruit trees, while the soil is warm from the summer sun, and chestnuts and other nut trees do well when planted at this season of the year. The soil has all winter to setfle about the roots, aided ties are now successfully grown as far by rain and melting snow. north as St. Catherine's, Ontario, and

The Sober chestnut, according to reports of those who have planted it, comes into bearing early, yields well, and so far has resisted the chestnut bark disease that has taken off the native chestnuts in the East. Last autumn a number of Sober chestnuts 228 trees, at Avon, near Rochester, were planted on our experimental farm and they are doing nicely. Last spring a pound, or \$2,000 for the crop. The out, which were brought to this countries required no spraying, and only try by explorers in employ of the Government. Careful records will be kept ernment, will be published later. There are many varieties of chest nuts, including the Japan, of which

there seem to be several varieties, one

somewhat dwarfed in size, though the

nurserymen list many other varieties.

When examining the table of contents



English walnut trees in the Tompson orchard, Avon, N. Y.

grounds should be made an attractive lias Saturday, September 23, and Sun-place. Land in the country is compara-day, September 24, at the Museum their share in helping to plant plenty den. Admission free. of shade trees. With sufficient room romp the children will not injure the trees. In the spring make a few flower beds around the building, and let it be part of the school course to have the children plant out and care for the flower beds,

UTUMN CROCUS Blooms in the Air!! Without Earth or Water Large Bulbs-10 for \$1 Prepaid Big Autumn Catalog FREE What See Store Barcley cor. Church St.

country schoolhouse and There will be an exhibition of dahtively cheap, so have good, big school grounds. People who send their chil-dren to school should be willing to do New York in cooperation with the Gar-

> PLANT KING'S HARDY OLD FASHIONED FLOWERS The old favorites like Columbine, Fox-loves, Larkspurs, Hollyhocks, Phiox and many others.
>
> SPECIAL OFFER—12 strong plants for \$1. Send for beautifully lilustrated catalog and full particulars of the most wonderful offer you ever heard of. Also large plants for immediate effect. Write to-day. W. E. KING, Box 220, Little Sliver, N. J.

RHODODENDRONS Washington State Flower, col-lected from the forest. 25 collected p ants, 5 to 10 inches, \$1.0 100 Plants, by prepaid parcel post, 3.75
Transplants, \$2.50 per dozen, postpaid
Potted Plants \$5.00 per 100.

JOEL SHOMAKER,

70 Warren Street Olympic Nature Nursery, Nellita, Washington.

Extra fine Glant flowering, strong plants or winter blooming or planting in frames.

LANDSCAPE man to represent first class nursery; good proposition. La Pointe Nursery; good proposition.

The colors and shades are beautiful. Full cultural directions sent with each collection. The collections are imported in boxes, ready for resimplement, and no change can be made in them. Additional bulbs can be purchased from our catalogue. Only a limited number of collections imported and more cannot be obtained; therefore order at once, to be sure of receiving this surprisingly large lot of bulbs at the remarkable price of one cent a bulb. Wonderful gardens will result next spring where these collections are planted in the open ground this autumn, and beautiful flowers will be had next winter where the bulbs are potted and grown in the house. As with all our offerings, complete satisfaction is guaranteed. Address all orders to W. E. MARSHALL & CO. 166 West 23rd Street

Order immediately, as only a limited supply has been imported.

This collection was selected by the editor of The Sun Garden Page, who tested the bulbs last season before permitting them to be advertised in The Sun. All are choice, extra size bulbs for bedding out or for house or conservatory culture.

Quality was the first-aim in making this collection, and these fine bulbs are offered at the surprisingly low price of only a cent each—think of it!

This collection bought elsewhere would cost fully double or more.

1,000 Choice Bulbe for \$10.



Spinach and Brussels sprouts may

Young raspberry canes can be due

Bulbs

1,000 Choice

New York City

and replanted to make new beds

I-Year TREE—Planted in 1914; bearing 17 peaches in 1915

The Rochester Peach (New)

Large, yellow and red free-stone; flesh yellow, very highly flavored stor small. To cat out of hand or canned it cannot be equalled as a table delicace ship as good as an Elberta. The peach comes into ripening the middle of a when there is no other yellow and red free-stone of quality on the market, so y readily see that it will command the highest price.

The tree is a strong, upright grower, hardy as an oak. Has sheed to below zero and produced a full crop; while Elberta and Crawford under the conditions in the same orchard produced no blossoms and consequently no from it is seldom known to fruit-growers for young trees planted a little over to bear fruit. The New Rochester Peach solves the problem for you.

Sweet Chestnut

Actual Size

Sober Paragon

Mammoth Sweet Chestnut BEARS FIRST YEAR.

Paxinos Orchard Crop Brought

Sober Paragon Mammoth Se

Chestnut will thrive anywhere

pears and other fruit trees do

withstand extremes of heat, e-

drouth with less injury than me-

It will even grow in poor soil, cut

not being necessary, although cultivation will greatly increase

drained soil, kept free from und-

The care and attention that you

dends if spent upon an orchard of \$ Paragon Chestnut trees.

your orchard begins paying you re-

at at once, since you start w

give an apple orchard will pay

BEARING TREES.



Hardy English Walnut Orchards

a Commercial Success in this City and County. this City and County.

Commercially, fortunes lie in raising English Walmuts. Never before has the English Walmut been so available to everyone as now. Dar Glenwood Grown English Walmut of to-day, has been bred for its majestic beauty as well as for the golden crop it bears. It has likewise been bred for Health. Hardiness and Resistibility in Northern Climates.

The Thompson Orchard, near Rochester, 228 trees, the largest commercial bearing orchard in the East, produced Fall 1915, 266 bushels Walmuts, 52 lbs. to the bushel, sold at 25c. per pound. Wholesale \$2,980. This orchard has been in bearing many years, with absolutely no winter-killing—with occasional temperatures 20 degrees below zero. YOU can now grow these wonderful English Walmuts around your own home or in your orchard just as you have always grown Peach and Apple trees—Elms and Maples.

Pure Strain Filberts

The Filbert is probably the least East, and yet it is a Nut tree of great very important in the future development of Nut culture.

opment of Nut culture.

It is admirably adapted to grow throughout the North on account of its hardiness. It comes into bearing early, often at two years of age and is a steady cropper. Filberts will do well on almost any soil but succeed best on clayey loam, rather moist. It is a rapid grower and should be trained as a tree.





STERLING VASES

Tiffin, Ohio